



ADPG Pyrophosphorylase Activity Assay kit

ADPG pyrophosphorylase (AGP) exists mainly in plants, is the main rate-limiting step in plant starch biosynthesis, which catalyzes the reaction of glucose-1-phosphate (G1P) with ATP to produce direct precursor adenosine diphosphate glucose (ADPG) for starch synthesis. AGP catalyzes the reverse reaction to produce G1P, the added phosphate hexose mutase and 6-phosphate glucose dehydrogenase catalyze the formation of 6-phosphate gluconate and NADPH. In this kit, the activity of AGP is determined by the increase rate of NADPH at 340 nm.

Catalog No.	250043
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs